(19) World Intellectual Property Organization International Bureau

A PO OHE

(43) International Publication Date 31 March 2005 (31.03.2005) (10) International Publication Number WO 2005/029014 A3

- (51) International Patent Classification: //03/sT 3/00 (2006.01)
- (21) International Application Number:

PCT/IL2004/000873

(22) International Filing Date:

21 September 2004 (21.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/505,024

24 September 2003 (24.09.2003) US

- (71) Applicant (for all designated States except US): T Squared Thermal Technologies, Ltd. [IL/IL]; p.o.box 70084, 31700, Haifa (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): BARAK, Menashe [IL/IL]; 26 Leah street, 34403 Haifa (IL).
- (74) Agent: MILLER SIERADZKI ADVOCATES & PATENT ATTORNEYS; P.O.Box 6149, 31061 Haifa (IL).

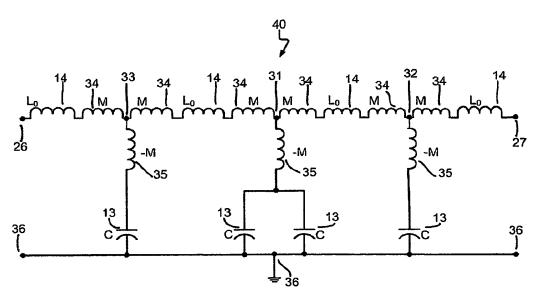
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the exent of receipt of amendments

[Continued on next page]

(54) Title: PULSE FORMING NETWORK AND PULSE GENERATOR



(57) Abstract: A pulse forming network is disclosed. The device comprising two pulse forming networks (40), a first pulse forming network comprising n sections, n being an integer, and a second pulse forming network comprising m sections, m being an integer, each of the sections of the first and the second pulse forming networks comprising at least one capacitor and at least one inductor, and each pulse forming network having one output port for connecting a load, the two pulse forming networks electrically connected and magnetically coupled back to back. A method and device for extinguishing an electrical pulse generated by a pulse generator is also disclosed (SWo).

(88) Date of publication of the international search report:
15 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.